



Atty. Dkt. No. 026032-4602

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Parks et al.

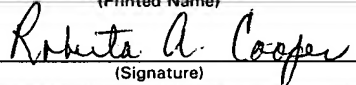
Title: VEHICLE COMPASS SYSTEM  
WITH CONTINUOUS  
AUTOMATIC CALIBRATION

Appl. No.: 10/663,954

Filing Date: 09/16/2003

Examiner: Bennett, George B.

Art Unit: 2859

<b>CERTIFICATE OF EXPRESS MAILING</b>	
I hereby certify that this correspondence is being deposited with the United States Postal Service's "Express Mail Post Office To Addressee" service under 37 C.F.R. § 1.10 on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
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**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document, except as noted below, is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The USPTO has waived the requirement under 37 CFR 1.98(a)(2)(i) to submit copies of U.S. patents and U.S. patent application publications when citing and submitting an Information Disclosure Statements in a patent application filed after June 30, 2003 and in an international application that has entered the national stage under 37 USC §371 after June 30, 2003. Accordingly, copies of these types of documents are not being supplied in connection with this application. Reference is being made to Pre-OG Notice from Office of Patent Legal Administration dated July 25, 2003, *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003.*

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

### **TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

### **RELEVANCE OF EACH DOCUMENT**

The relevance of the foreign-language documents is described in the present specification. An English translation of the foreign-language documents is not readily available. However, the absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609).

Patent Nos. DE 2959504, DE 328587, DE 9848292 and JP 5763307 have been listed on the Form PTO/SB/08, but have not been submitted for review.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 06-1447. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or

even entirely missing, the Commissioner is authorized to charge the unpaid amount to  
Deposit Account No. 06-1447.

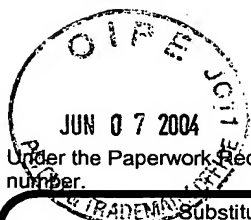
Respectfully submitted,

Date June 7, 2004

By 

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MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Date Submitted: June 7, 2004

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/663,954
Filing Date	09/16/2003
First Named Inventor	Jeffrey N. Parks
Group Art Unit	To be Determined
Examiner Name	To be Determined
Attorney Docket Number	026032-4602

Sheet 1 of 6

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	6,192,315		Geschke et al.	02-20-2001	
	A2	5,946,813		Nachbaur et al.	09-07-1999	
	A3	5,878,370		Olson	03-02-1999	
	A4	5,828,984		Cage et al.	10-27-1998	
	A5	5,802,727		Blank et al.	09-08-1998	
	A6	5,761,094		Olson et al.	06-02-1998	
	A7	5,737,226		Olson et al.	04-07-1998	
	A8	5,699,044		Van Lente et al.	12-16-1997	
	A9	5,664,335		Suman et al.	09-09-1997	
	A10	5,644,851		Blank et al.	07-08-1997	
	A11	5,632,092		Blank et al.	05-27-1997	
	A12	5,581,899		Brehler et al.	12-10-1996	
	A13	5,511,319		Geerlings et al.	04-30-1996	
	A14	5,440,303		Kinoshita	08-08-1995	
	A15	5,390,122		Michaels et al.	02-14-1995	
	A16	5,353,241		Al-Attar	10-04-1994	
	A17	5,351,204		Al-Attar	09-27-1994	
	A18	5,349,529		Masumoto et al.	09-20-1994	
	A19	5,345,382		Kao	09-06-1994	
	A20	5,339,246		Kao	08-16-1994	
	A21	5,333,110		Al-Attar	07-26-1994	
	A22	5,323,336		Cage	06-21-1994	
	A23	5,297,065		Cage et al.	03-22-1994	
	A24	5,297,063		Cage	03-22-1994	
	A25	5,287,297		Ihara et al.	02-15-1994	
	A26	5,287,295		Ives et al.	02-15-1994	
	A27	5,255,442		Schierbeek et al.	10-26-1993	
	A28	5,239,264		Hawks	08-24-1993	
	A29	5,235,514		Matsuzaki	08-10-1993	
	A30	5,223,814		Suman	06-29-1993	
	A31	5,187,872		Dufour	02-23-1993	
	B32	5,165,269		Nguyen	11-24-1992	
	B33	5,161,311		Esmer et al.	11-10-1992	
	B34	5,151,872		Suzuki et al.	09-29-1992	
	B35	5,131,155		Takano et al.	07-21-1992	

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Examiner  
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: June 7, 2004 (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/663,954	
			Filing Date	09/16/2003	
			First Named Inventor	Jeffrey N. Parks	
			Group Art Unit	To be Determined	
			Examiner Name	To be Determined	
Sheet	2	of	6	Attorney Docket Number	026032-4602

### U.S. PATENT DOCUMENTS

		U.S. Patent Document			
	B36	5,131,154	Schierbeek et al.	07-21-1992	
	B37	5,117,375	Worcester et al.	05-26-1992	
	B38	5,090,231	Gallagher	02-25-1992	
	B39	5,046,031	Wanous, Richard E.	09-03-1991	
	B40	5,040,990	Suman et al.	08-20-1991	
	B41	5,023,799	Nakayama et al.	06-11-1991	
	B42	4,989,333	Helldorfer et al.	02-05-1991	
	B43	4,953,305	Van Lente et al.	09-04-1990	
	B44	4,924,402	Ando et al.	05-08-1990	
	B45	4,890,233	Ando et al.	12-26-1989	
	B46	4,882,689	Aoki	11-21-1989	
	B47	4,866,627	Suyama	09-12-1989	
	B48	4,862,594	Schierbeek et al.	09-05-1989	
	B49	4,862,398	Shimizu et al.	08-29-1989	
	B50	4,852,012	Suyama	07-25-1989	
	B51	4,851,775	Kim et al.	07-25-1989	
	B52	4,843,865	Fowler	07-04-1989	
	B53	4,841,449	Suyama	06-20-1989	
	B54	4,831,563	Ando et al.	05-16-1989	
	B55	4,807,462	Al-Attar	02-28-1989	
	B56	4,797,841	Hatch	01-10-1989	
	B57	4,791,729	Suda	12-20-1988	
	B58	4,782,453	Bauer et al.	11-01-1988	
	B59	4,771,547	Akutsu et al.	09-20-1988	
	B60	4,763,270	Itoh et al.	08-09-1988	
	B61	4,763,269	Suyama et al.	08-09-1988	
	B62	4,763,268	Itoh et al.	08-09-1988	
	B63	4,763,072	Katoh et al.	08-09-1988	
	C64	4,757,455	Tsunoda et al.	07-12-1988	
	C65	4,751,783	Ina et al.	06-21-1988	
	C66	4,750,349	Luitje	06-14-1988	
	C67	4,743,913	Takai	05-10-1988	
	C68	4,739,560	Akutsu et al.	04-26-1988	
	C69	4,739,224	Geerlings	04-19-1988	
	C70	4,738,031	Alberter et al.	04-19-1988	
	C71	4,733,336	Skogler et al.	03-22-1988	

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Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: June 7, 2004  <i>(use as many sheets as necessary)</i>				Application Number	10/663,954
				Filing Date	09/16/2003
				First Named Inventor	Jeffrey N. Parks
				Group Art Unit	To be Determined
				Examiner Name	To be Determined
Sheet	3	of	6	Attorney Docket Number	026032-4602

## U.S. PATENT DOCUMENTS

		U.S. Patent Document			
	C72	4,733,179		Bauer et al.	03-22-1988
	C73	4,729,172		Alberter et al.	03-08-1988
	C74	4,728,888		Bauer, et al.	03-01-1988
	C75	4,721,364		Itoh et al.	01-26-1988
	C76	4,720,992		Hormel	01-26-1988
	C77	4,698,912		Fowler et al.	10-13-1987
	C78	4,694,583		Blaney	09-22-1987
	C79	4,686,772		Sobel	08-18-1987
	C80	4,685,053		Hattori et al.	08-04-1987
	C81	4,680,866		Johnson et al.	07-21-1987
	C82	4,677,754		Hormel	07-07-1987
	C83	4,677,381		Geerlings	06-30-1987
	C84	4,673,878		Tsushima et al.	06-16-1987
	C85	4,672,565		Kuno et al.	06-09-1987
	C86	4,660,161		Okada	04-21-1987
	C87	4,652,860		Weishaupt et al.	03-24-1987
	C88	4,646,089		Takanabe et al.	02-24-1987
	C89	4,646,015		Phillips	02-24-1987
	C90	4,642,776		Matsumoto et al.	02-10-1987
	C91	4,640,016		Tanner et al.	02-03-1987
	C92	4,622,843		Hormel	11-18-1986
	C93	4,622,754		Chujo et al.	11-18-1986
	C94	4,616,424		Arakawa et al.	10-14-1986
	C95	4,611,293		Hatch et al.	09-09-1986
	D96	4,593,359		Sadeh	06-03-1986
	D97	4,555,761		Matsumoto et al.	11-26-1985
	D98	4,546,551		Franks	10-15-1985
	D99	4,546,550		Marchent et al.	10-15-1985
	D100	4,539,760		Marchent et al.	09-10-1985
	D101	4,505,054		Clark et al.	03-19-1985
	D102	4,497,034		Kuno et al.	01-29-1985
	D103	4,445,279		Tsushima et al.	05-01-1984
	D104	4,429,469		Tsushima et al.	02-07-1984
	D105	4,425,717		Marcus	01-17-1984
	D106	4,424,631		Franks	01-10-1984
	D107	4,418,480		Garner	12-06-1983

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First Named Inventor	Jeffrey N. Parks
Group Art Unit	To be Determined
Examiner Name	To be Determined
Attorney Docket Number	026032-4602

Sheet 4 of 6

**U.S. PATENT DOCUMENTS**

	U.S. Patent Document		
D108	4,416,067	Scherer et al.	11-22-1983
D109	4,414,753	Moulin et al.	11-15-1983
D110	4,413,424	Sasaki et al.	11-08-1983
D111	4,402,142	Dinsmore	09-06-1983
D112	4,388,558	Mizuno et al.	06-14-1983
D113	4,373,271	Nitz	02-15-1983
D114	4,347,730	Fisher et al.	09-07-1982
D115	4,341,023	Marcus et al.	07-27-1982
D116	4,336,596	Martin	06-22-1982
D117	4,323,972	Winter	04-06-1982
D118	4,309,828	Sakamoto	01-12-1982
D119	4,293,815	West et al.	10-06-1981
D120	4,277,751	Lawson et al.	07-07-1981
D121	4,250,626	Lazar	02-17-1981
D122	4,179,741	Rossani	12-18-1979
D123	4,163,326	Edwards	08-07-1979
D124	4,157,619	Zuvela	06-12-1979
D125	4,146,970	Edwards	04-03-1979
D126	4,143,467	Ersamer et al.	03-13-1979
D127	4,139,892	Gudea et al.	02-13-1979
D128	4,112,755	Sullivan	09-12-1978
D129	4,091,543	Lapeyre	05-30-1978
E130	4,031,630	Fowler	06-28-1977
E131	4,030,204	Edwards	06-21-1977
E132	4,024,382	Fowler	05-17-1977
E133	4,023,018	Hall	05-10-1977
E134	3,991,361	Mattern et al.	11-09-1976
E135	3,971,981	Nakagome et al.	07-27-1976
E136	3,943,763	Garner	03-16-1976
E137	3,938,257	Ersamer	02-17-1976
E138	3,903,610	Heaviside et al.	09-09-1975
E139	3,807,666	Devlin	04-30-1974
E140	3,778,703	Jackson	12-11-1973
E141	3,746,842	Fowler	07-17-1973
E142	3,744,312	Anderson	07-10-1973
E143	3,691,643	Baker et al.	09-19-1972
E144	3,683,668	Baker et al.	08-15-1972
E145	3,680,951	Jordan et al	08-01-1972
E146	3,678,593	Baker et al.	07-25-1972
E147	3,634,946	Star	01-18-1972

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Signature

Date  
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Sheet	5	of	6	Attorney Docket Number	026032-4602

U.S. PATENT DOCUMENTS					
		U.S. Patent Document			
	E148	3,626,280		Van Englehoven	12-07-1971
	E149	3,541,853		Anderson	11-24-1970
	E150	3,415,980		Maieli et al.	12-10-1968
	E151	3,253,342		Depp	05-31-1966
	E152	3,197,880		Rice et al.	08-03-1965
	E153	2,959,865		Boose	11-15-1960
	E154	2,903,798		Taylor	09-15-1959
	E155	2,852,859		Depp	09-23-1958
	E156	2,475,593		Craddock et al.	07-12-1949
	E157	2,308,566		Noxon	01-19-1943
	E158	2,177,218		Klein et al.	10-24-1939
	E159	2,155,712		Hull	04-25-1939
	E160	2,132,168		Klein et al.	10-04-1938
	E161	2,056,715		Dinsmore	10-06-1936
	E162	2,053,154		Pierre	09-01-1936
	E163	Des 328,587		Arbisi	08-11-1992

FOREIGN PATENT DOCUMENTS								
Examin er Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	F164		WO 82/02448			07-22-1982		
	F165		DE 3613560			10-29-1987		
	F166		DE 3611147			10-16-1986		
	F167		DE 2922230			10-23-1980		
	F168		DE 2959504					
	F169		DE 5328587					
	F170		DE 9848292					
	F171		GB 2193321			02-03-1998		
	F172		JP 9512108			12-02-1997		
	F173		JP 03068811			03-25-1991		
	F174		EP 0321123			06-21-1989		
	F175		JP 63187113			08-02-1988		
	F176		JP 62008011			01-16-1987		
	F177		JP 62145111			06-29-1987		
	F178		JP 6010114			01-19-1985		
	F179		JP 60244644			12-04-1985		
	F180		JP 59100812			06-11-1984		
	F181		JP 5817313			02-01-1983		

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: June 7, 2004  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				<b>Application Number</b>	10/663,954
				<b>Filing Date</b>	09/16/2003
				<b>First Named Inventor</b>	Jeffrey N. Parks
				<b>Group Art Unit</b>	To be Determined
				<b>Examiner Name</b>	To be Determined
<b>Sheet</b>	6	<b>of</b>	6	<b>Attorney Docket Number</b>	026032-4602

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	F182		JP 5860220			04-23-1983		
	F183		JP 58135412			08-12-1983		
	F184		JP 5763307					
	F185		JP 57116211			07-20-1982		
	F186		JP 57122310			07-30-1982		
	F187		JP 5516275			02-04-1980		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	F188	TOYOTA publication regarding CORONA, 1982, 25 pgs. (not in English)	

001.1536350.1

<b>Examiner Signature</b>	<b>Date Considered</b>
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